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SOUTHEASTERN AREA

SOUTHERN PINE BEETLE OUTBREAK STATUS

July 1974



Compiled By
U. S. Forest Service
SOUTHEASTERN AREA
State and Private Forestry
Atlanta, Georgia

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FY 1974 OUTBREAK STATISTICS

Ownership	Infested Volume Salvaged		Funds Expended \$	Acreage Treated ^{1/} acres
	MBF	MCF		
State & Private	126,990	48,175	\$ 2,033,182 ^{2/}	74,765 ^{3/}
Federal	35,626	3,108	\$ 445,463	8,425
SA Total	162,616	51,283	\$ 2,478,645	83,190

^{1/} Estimated combined total acreage of salvaged infested, piled and burned, and chemically treated trees.

^{2/} Total of \$1,100,966 Federal and \$932,216 State and private funds.

^{3/} Salvage treatment acreage calculated from salvage volumes at 800 cubic feet per acre; acreages for pile and burn and chemical treatment are not included for State and private lands.

OUTLOOK FOR FY 1975

Ownership	Total Acreage of Susceptible Host Type in SA ^{4/}	Net Acreage of Host Type in Outbreak	Federal Funds Requested for Control Projects	Anticipated Infested Volume to be Salvaged	
	Acres	Acres	\$	MBF	MCF
State & Private	77,340,400	47,305,358	\$ 1,324,690	70,762	57,570
Federal	7,842,800	2,512,934	604,520	38,561	75
SA Total	85,183,200	49,818,292	1,929,210	109,323	57,645

^{4/} Includes susceptible host type acreage in Kentucky, Florida, and Oklahoma not currently within the outbreak area.

A P P E N D I X

TABLE 1. Area of Susceptible Host Types in the Southeast by Ownership Class.^{1/}
(thousand acres)

State	Ownership	Forest Types										Total
		Loblolly	Shortleaf	Shortleaf Loblolly	Pitch	Southern Pine ^{2/}	Oak Pine	Pond	Virginia	Table Mtn.	Longleaf Slash	
Alabama	Private	--	--	7,132.3	--	--	4,614.5	--	--	--	1,854.4	13,601.2
	Public	--	--	305.5	--	--	220.4	--	--	--	144.3	670.2
	Total	--	--	7,437.8	--	--	4,834.9	--	--	--	1,998.7	14,271.4
Arkansas	Private	--	--	2,982.5	--	--	2,466.6	--	--	--	--	5,449.1
	Public	--	--	685.5	--	--	573.0	--	--	--	--	1,258.5
	Total	--	--	3,668.0	--	--	3,039.6	--	--	--	--	6,707.6
Florida	Private	339.9	34.5	--	--	--	1,365.0	261.8	--	--	--	2,001.2
	Public	4.5	--	--	--	--	303.3	81.8	--	--	--	389.6
	Total	344.4	34.5	--	--	--	1,668.3	343.6	--	--	--	2,390.8
Georgia	Private	4,818.4	1,637.9	--	--	--	3,350.7	285.0	265.0	--	--	10,357.0
	Public	256.3	97.4	--	--	--	289.2	19.5	35.4	--	--	697.8
	Total	5,074.7	1,735.3	--	--	--	3,639.9	304.5	300.4	--	--	11,054.8
Kentucky	Private	--	--	--	--	326.2	443.5	--	--	--	--	769.7
	Public	--	--	--	--	41.5	113.9	--	--	--	--	155.4
	Total	--	--	--	--	367.7	557.4	--	--	--	--	925.1
Louisiana	Private	--	--	4,161.4	--	--	2,034.4	--	--	--	1,068.6	7,264.4
	Public	--	--	277.9	--	--	135.0	--	--	--	151.5	564.4
	Total	--	--	4,439.3	--	--	2,169.4	--	--	--	1,220.1	7,828.8
Mississippi	Private	--	--	3,718.8	--	--	2,969.8	--	--	--	1,051.6	7,740.2
	Public	--	--	523.8	--	--	402.2	--	--	--	283.8	1,209.8
	Total	--	--	4,242.6	--	--	3,372.0	--	--	--	1,335.4	8,950.0
North Carolina	Private	3,009.6	1,037.1	--	32.9	--	3,326.4	1,181.0	780.2	4.2	--	9,371.4
	Public	111.7	42.6	--	13.0	--	230.2	227.6	8.9	14.7	--	648.7
	Total	3,121.3	1,079.7	--	45.9	--	3,556.6	1,408.6	789.1	18.9	--	10,020.1
Oklahoma	Private	--	--	675.6	--	--	568.2	--	--	--	--	1,243.8
	Public	--	--	119.7	--	--	96.1	--	--	--	--	215.8
	Total	--	--	795.3	--	--	664.3	--	--	--	--	1,459.6
South Carolina	Private	2,588.9	772.9	--	4.6	--	1,970.8	344.7	151.7	--	--	5,833.6
	Public	327.6	101.2	--	--	--	154.0	40.7	10.9	--	--	634.4
	Total	2,916.5	874.1	--	4.6	--	2,124.8	385.4	162.6	--	--	6,468.0
Tennessee	Private	--	--	847.8	--	--	998.7	--	--	--	--	1,846.5
	Public	--	--	151.0	--	--	199.3	--	--	--	--	350.3
	Total	--	--	998.8	--	--	1,198.0	--	--	--	--	2,196.8
Texas	Private	--	--	4,315.0	--	--	2,241.9	--	--	--	347.9	6,904.8
	Public	--	--	593.7	--	--	64.2	--	--	--	10.6	668.5
	Total	--	--	4,908.7	--	--	2,306.1	--	--	--	358.5	7,573.3
Virginia	Private	1,077.6	323.8	--	32.4	--	2,326.8	2.6	1,174.4	19.9	--	4,937.5
	Public	38.3	15.2	--	31.2	--	210.5	--	71.3	12.9	--	379.4
	Total	1,115.9	339.0	--	63.6	--	2,537.3	2.6	1,245.7	32.8	--	5,336.9
Total	Private	11,834.4	3,806.2	23,833.4	69.9	326.2	28,677.3	2,075.1	2,371.3	24.1	4,322.5	77,340.4
	Public	738.4	256.4	2,657.1	44.2	41.5	2,991.3	369.6	126.5	27.6	590.2	7,842.8
	All Ownership	12,572.8	4,062.6	26,490.5	114.1	367.7	31,668.6	2,444.7	2,497.8	51.7	4,912.7	85,183.2

^{1/} Data extracted from U.S. Forest Service Resource Bulletins published by the Southern & Southeastern Forest Experiment Stations.

^{2/} Forests in which 50% or more of the stocking is in shortleaf or other southern yellow pines singly or in combination.

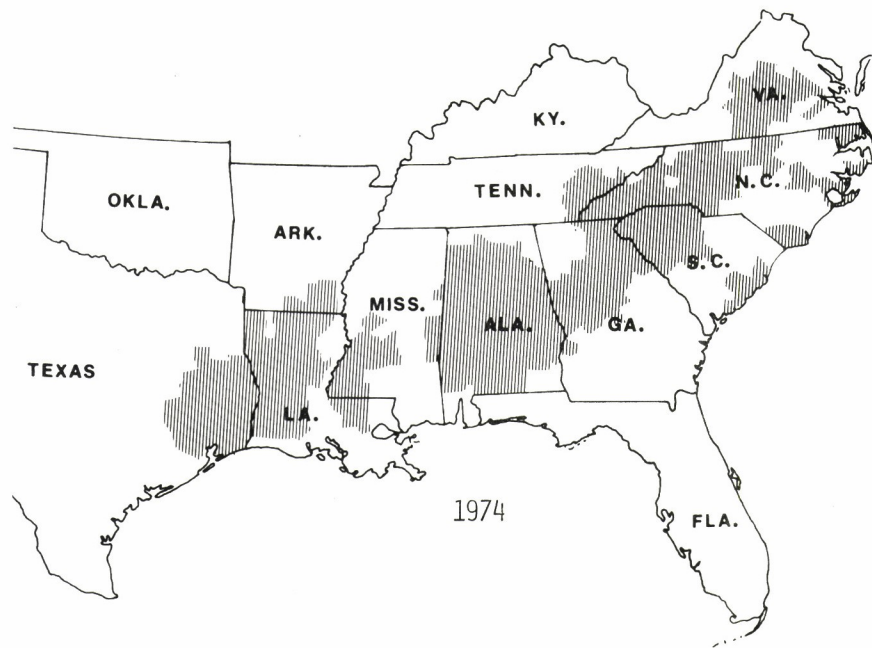
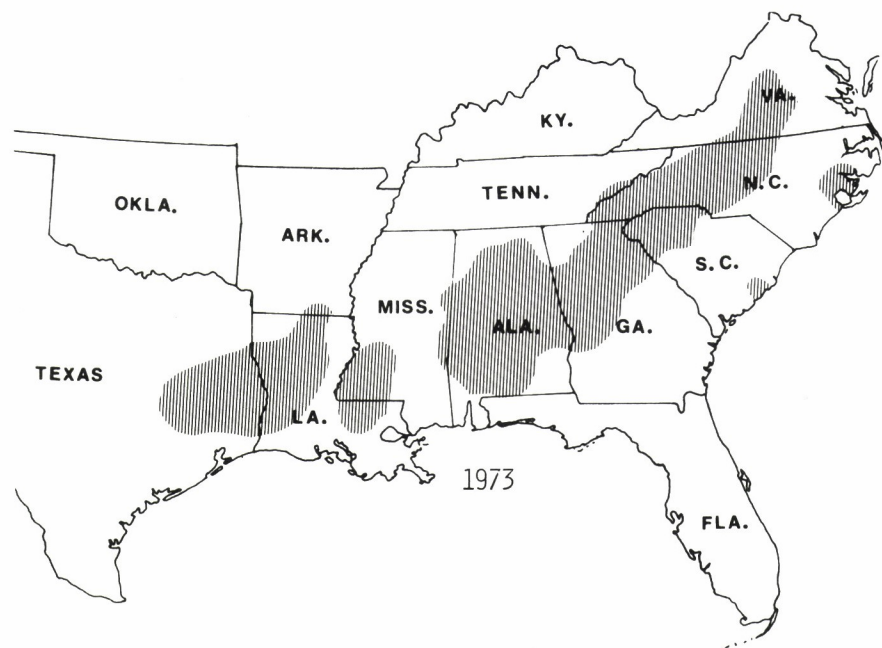
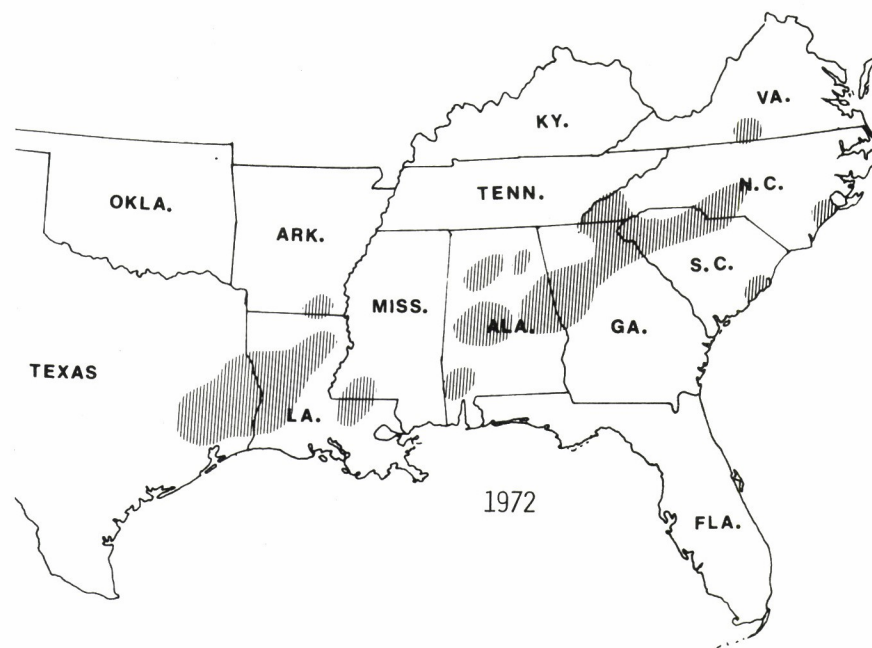
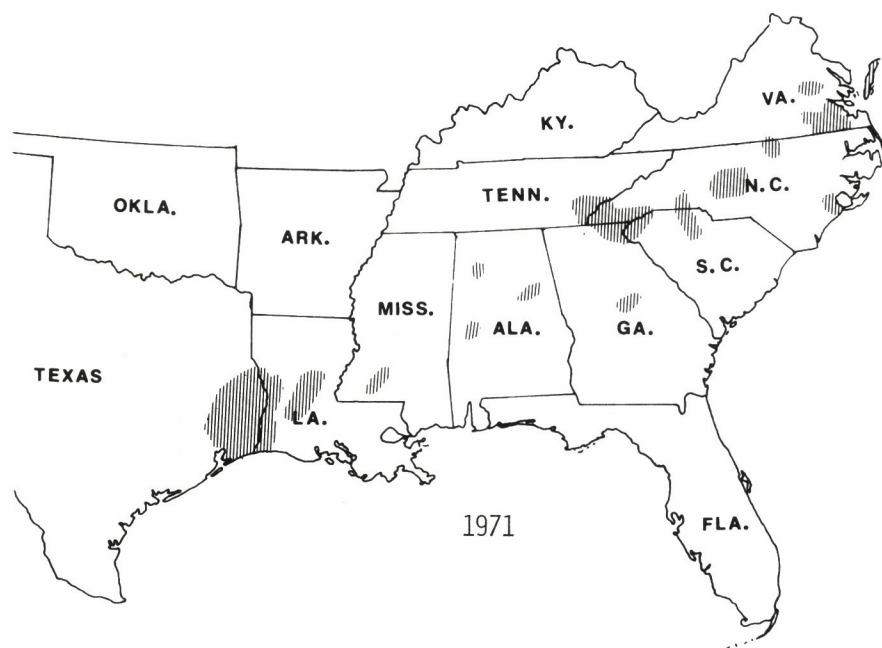
Table 3.

OUTLOOK FOR SOUTHERN PINE BEETLE SITUATION IN SOUTHEASTERN AREA FOR FY 1975

State	Ownership	Federal Funds Requested	Anticipated Infested Volume to be Salvaged <u>MBF</u> <u>MCF</u>		Total Acreage of Host Type	Net Acreage of Host Type in Current Outbreak	Current Status and Course of Outbreak
Alabama	Private Federal Total	\$ 500,000 79,247 579,247	14,762 2,925 17,687	--- --- ---	13,601,200 670,200 14,271,400	9,888,400 636,712 10,525,112	Populations have shifted to the East Central and Northeast. The normal summer increase in number of spots is occurring but is not expected to reach 1973 levels.
Arkansas	Private Federal Total	25,190 ^{1/} --- 25,190	--- --- ---	385 --- 385	5,449,100 1,258,500 6,707,600	938,900 --- 938,900	Infestations are intensifying within the outbreak area and are gradually moving to the Northeast. No major buildup is expected.
Georgia	Private Federal Total	215,000 52,000 267,000	--- 5,950 5,950	36,450 --- 36,450	10,357,000 697,800 11,054,800	6,398,820 176,257 6,575,077	Populations are at relatively high levels. Infestations are 32% higher than in 1973. Damage has increased rapidly in the Savannah area since February 1974, when first detected.
Louisiana	Private Federal Total	75,000 ^{1/} 48,400 123,400	--- 1,000 1,000	505 --- 505	7,264,400 564,400 7,828,800	4,800,300 322,400 5,122,700	Statewide, populations are low. Allen and Calcasieu Parishes are experiencing large infestations but beetles are not expected to reach outbreak proportions this summer.
Mississippi	Private Federal Total	65,000 ^{1/} 61,824 126,824	200 4,500 4,700	180 --- 180	7,740,200 1,209,800 8,950,000	2,056,400 250,242 2,306,642	Infestation levels appear to be declining slightly and no major buildup is expected.
North Carolina	Private Federal Total	190,000 ^{1/} 38,500 228,500	50,000 1,830 51,830	7,800 --- 7,800	9,371,400 648,700 10,020,100	8,171,964 116,714 8,288,678	Conditions are the worst in 15 years. An estimated 13,500 spots Statewide reflect a 100% increase in activity since the winter/spring surveys. Many new counties are now involved.
South Carolina	Private Federal Total	40,000 31,500 71,500	--- 5,000 5,000	4,062 --- 4,062	5,833,600 634,400 6,468,000	5,765,458 292,554 6,058,012	The outbreak has moved from the upper Piedmont, where it is lessening in intensity, to the lower Piedmont, Central, and lower Coastal Plain Regions where it appears to be on the upswing.
Tennessee	Private Federal Total	--- 10,200 10,200	300 400 700	7 --- 7	1,846,500 350,300 2,196,800	741,646 135,244 876,890	Scattered spots present in all infested counties. Infestations in the mountainous areas of Cocke County are expanding at a rapid rate.
Texas	Private Federal Total	200,000 247,849 447,849	--- 14,956 14,956	5,181 --- 5,181	6,904,800 668,500 7,573,300	5,788,463 556,537 6,345,000	Most of the State has shown an increase in the number of spots compared to 1973. A decline in number of spots is expected during the remainder of 1974.
Virginia	Private Federal Total	14,500 35,000 49,500	5,500 2,000 7,500	3,000 75 3,075	4,957,500 379,400 5,336,900	2,755,007 26,274 2,781,281	At high static levels in the central Piedmont, new highs in portions of Isle of Wight, Nansemond and Sussex Counties, and on upswing in other southern Coastal Plain Counties.
SA TOTALS	Private Federal Total	1,324,690 604,520 1,929,210	70,762 38,561 109,323	57,570 75 57,645	73,325,700 7,082,000 80,407,700	47,305,358 2,512,934 49,818,292	

^{1/} Anticipated request; proposal not received by August 9, 1974.

FIGURE 1 CHRONOLOGICAL DEVELOPMENT OF THE SOUTHERN PINE BEETLE OUTBREAK FY 1971 - FY 1974



SOUTHEASTERN AREA

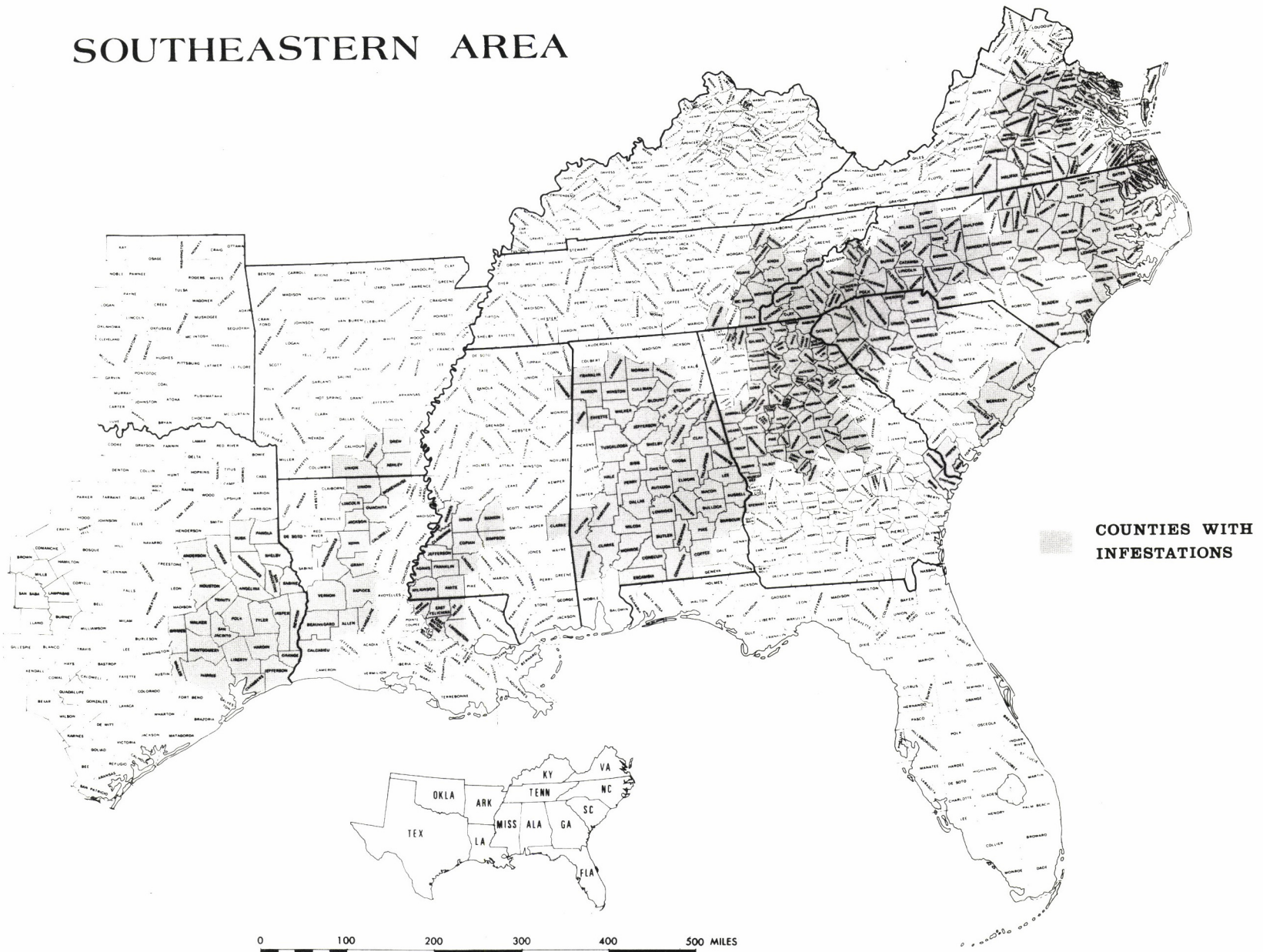


FIGURE 2 FY 1975 LOCATION OF SOUTHERN PINE BEETLE OUTBREAK, SOUTHEASTERN AREA